





## **PAGER** Version 4

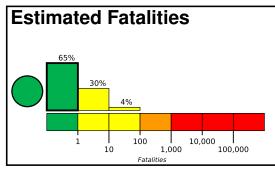
100,000

Created: 1 day, 0 hours after earthquake

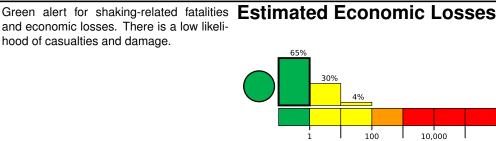
1,000

## M 5.5, 35 km ESE of funato, Japan

Origin Time: 2023-09-08 09:28:50 UTC (Fri 18:28:50 local) Location: 38.9566° N 142.1006° E Depth: 53.8 km



and economic losses. There is a low likeli-



**Estimated Population Exposed to Earthquake Shaking** 

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	7,603k	155k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

### Population Exposure

population per 1 sq. km from Landscan

# 5000 142.2°E 143.6°E lachinohe Akitash Kitakami Mizusawa Ichinos omaki 1) ukushima

### **Structures**

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are heavy wood frame and reinforced/confined masonry construction.

#### **Historical Earthquakes**

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1994-12-28	209	7.7	VII(130k)	3
1978-06-12	81	7.6	VIII(1,304k)	22
1983-05-26	307	7.7	VII(174k)	104

Recent earthquakes in this area have caused secondary hazards such as landslides and fires that might have contributed to losses.

### Selected City Exposure

from GeoNames.org MMI City Population IV Ofunato 35k IV Tono 27k Ш Yamada 20k Ш Kamaishi 43k Ш Mizusawa 61k Ш Otsuchi 16k Ш 295k Morioka Ш Sendai 1,063k

bold cities appear on map.

Yamagata

**Fukushima** 

Akita

Ш

Ш

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(k = x1000)

326k

255k

294k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.